

# Renyu (Philip) Zhang

Curriculum Vitae updated in September 2015

CONTACT INFORMATION	Olin Business School Washington University in St. Louis Campus Box 1156, 1 Brookings Drive St. Louis, MO 63130, USA	renyu.zhang@wustl.edu <a href="http://students.olin.wustl.edu/~zhangr/">http://students.olin.wustl.edu/~zhangr/</a>
EDUCATION	Olin Business School, Washington University in St. Louis • PhD Candidate in Operations Management. • Thesis Title: Dynamic Pricing and Inventory Management: Theory and Applications. • Advisors: Nan Yang and Fuqiang Zhang. School of Mathematical Sciences, Peking University • Bachelor of Science in Mathematics ( <i>with honors</i> ).	St. Louis, MO 08/2011-05/2016 (Expected) Beijing, China 09/2007-07/2011
EMPLOYMENT	Olin Business School, Washington University in St. Louis • Teaching and Research Assistant.	St. Louis, MO 09/2012-now
RESEARCH INTERESTS	Methodology: • Stochastic modeling; optimization; dynamic programming; dynamic game; data-driven decision making under uncertainty. Application: • Supply chain management; dynamic pricing and inventory management; operations management under social interactions; sustainable operations.	
PUBLICATIONS	<a href="#">Dynamic Pricing and Inventory Management under Inventory-Dependent Demand</a> , <i>Operations Research</i> , <b>62</b> (5), 2014, 1077-1094 (with Nan Yang). <a href="#">Dynamic Pricing and Inventory Management under Fluctuating Procurement Costs</a> , <i>Manufacturing &amp; Service Operations Management</i> , <b>17</b> (3), 2015, 321-334 (with Guang Xiao and Nan Yang). <a href="#">Dynamic Supply Risk Management with Signal-Based Forecast Multi-Sourcing, and Discretionary Selling</a> , <i>Production and Operations Management</i> , forthcoming (with Long Gao, Nan Yang, and Ting Luo).	
WORKING PAPERS	<a href="#">Trade-in Remanufacturing, Strategic Customer Behavior, and Government Subsidies</a> , under review (with Fuqiang Zhang). • Finalist award in the <i>POMS College of Supply Chain Management 2015 Best Student Paper Competition</i> . <a href="#">Dynamic Pricing and Inventory Management under Network Externalities</a> , under revision (with Nan Yang). <a href="#">Dynamic Competition under Market Size Dynamics: Balancing the Exploitation-Induction Trade-off</a> , under revision (with Nan Yang).	
WORKS IN PROGRESS	Comparative Statics Analysis of Inventory Management Models with Dynamic Pricing (with Nan Yang).	
CONFERENCE TALKS	Dynamic Pricing and Inventory Management under Network Externalities • INFORMS Annual Meeting 2015 ( <i>scheduled</i> ). Trade-in Remanufacturing, Strategic Customer Behavior, and Government Subsidies • DSI Annual Meeting 2015. ( <i>scheduled</i> ).	11/2015 11/2015

	<ul style="list-style-type: none"> <li>• INFORMS Annual Meeting 2015 (<i>scheduled</i>). 11/2015</li> <li>• MSOM Annual Meeting 2015. 06/2015</li> <li>• POMS Annual Meeting 2015. 05/2015</li> </ul>
	Dynamic Pricing and Inventory Management under Fluctuating Procurement Costs
	<ul style="list-style-type: none"> <li>• INFORMS Annual Meeting 2014. 11/2014</li> <li>• MSOM Annual Meeting 2014. 06/2014</li> <li>• INFORMS Annual Meeting 2013. 10/2013</li> </ul>
	Dynamic Pricing and Inventory Management under Inventory-Dependent Demand
	<ul style="list-style-type: none"> <li>• INFORMS Annual Meeting 2012. 10/2012</li> </ul>
TEACHING INTERESTS	<p>Undergraduate level:</p> <ul style="list-style-type: none"> <li>• Operations management; business statistics.</li> </ul> <p>Master level:</p> <ul style="list-style-type: none"> <li>• Operations management; business analytics.</li> </ul> <p>PhD level:</p> <ul style="list-style-type: none"> <li>• Inventory management; dynamic programming; seminar in operations management.</li> </ul>
TEACHING EXPERIENCES	<p>Teaching Assistant</p> <ul style="list-style-type: none"> <li>• Operations Management (<i>MBA</i>). <ul style="list-style-type: none"> <li>• Fall 2015, Spring 2015, Fall 2014, Spring 2014, Fall 2013, Spring 2013, Fall 2012.</li> </ul> </li> <li>• Advanced Operations Strategy (<i>MSCM</i>). <ul style="list-style-type: none"> <li>• Fall 2015.</li> </ul> </li> <li>• Operations Management Foundations (<i>MSCM</i>). <ul style="list-style-type: none"> <li>• Summer 2015, Summer 2014, Summer 2013.</li> </ul> </li> <li>• Topics in Operations and Supply Chain Management (<i>PhD</i>). <ul style="list-style-type: none"> <li>• Spring 2015.</li> </ul> </li> <li>• Market Competition and Value Appropriation (<i>BSBA</i>). <ul style="list-style-type: none"> <li>• Fall 2014, Fall 2013.</li> </ul> </li> <li>• Theory and Research Methods in Inventory and Supply Chain Management (<i>PhD</i>). <ul style="list-style-type: none"> <li>• Fall 2013.</li> </ul> </li> <li>• Operations Planning and Control (<i>MSCM</i>). <ul style="list-style-type: none"> <li>• Spring 2013.</li> </ul> </li> </ul>
PROFESSIONAL SERVICES	<p>Journal referee:</p> <ul style="list-style-type: none"> <li>• <i>Management Science, Production and Operations Management, Naval Research Logistics, European Journal of Operations Research, Omega, Applied Mathematical Modeling.</i></li> </ul> <p>Professional organizations:</p> <ul style="list-style-type: none"> <li>• INFORMS, MSOM, APS, POMS.</li> </ul> <p>Internal services:</p> <ul style="list-style-type: none"> <li>• Operations Management PhD seminar coordinator at Olin Business School.</li> </ul>
CONSULTING PROJECTS	<p>Consultant at the Boeing Center for Technology, Information and Manufacturing:</p> <ul style="list-style-type: none"> <li>• Vendor managed inventory (VMI) at Beldon Inc. 10/2013-05/2014</li> <li>• Global supply chain risk management at the Boeing Company. 10/2014-05/2015</li> </ul>
SELECTED HONORS	<p>POMS College of Supply Chain Management 2015 Best Student Paper Competition, the Finalist Award. 05/2015</p> <p>Doctoral Fellowship of Olin Business School. 2011-2016</p>

S.T. Yau College Student Mathematics Contest, the Honorable Mention.	10/2010
CASC Scholarship for excellence in academic performance.	09/2009
Z.H. Jiang Mathematical Contest in Modeling, the First Prize.	04/2009
College's Contest in Physics, the First Prize.	12/2008
Chinese Mathematics Olympiad, the First Prize.	10/2006

TECHNICAL SKILLS	Course work training:
	<ul style="list-style-type: none"> <li>• Probability and stochastic process, optimization, statistics, machine learning, microeconomics, and econometrics.</li> </ul>
	Softwares:
	<ul style="list-style-type: none"> <li>• MatLab, <math>R</math>, C++, and L<sup>A</sup>T<sub>E</sub>X.</li> </ul>

PERSONAL	Chinese citizen, Christian, married with one child.
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REFERENCES	Prof. Nan Yang (Co-advisor)	Prof. Fuqiang Zhang (Co-advisor)
	Olin Business School	Olin Business School
	Washington University in St. Louis	Washington University in St. Louis
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	Prof. Amr Farahat	Prof. Sergio Chayet
	Olin Business School	Olin Business School
	Washington University in St. Louis	Washington University in St. Louis
	Phone: (314) 935-3308	Phone: (314) 935-6769
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